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    Liew, Choong-Chin

<120> Method for the Detection of Gene Transcripts in Blood and Uses
    Thereof

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<150> US
<151> 2000-01-04

<150> US 60/115,125
<151> 1999-01-06

<160> 112

<170> PatentIn version 3.2

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25   gaaaaantit tccggggggc ccacccggga agggntnccg gggaaggg   168

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30   <212> DNA
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cccacatttc catttttaat atatactgtg ctttacaaat attataatat gttttaaaat   180

40   atgttcacag aagcacctgg tctgtgaatg gcatgccagc attaaaaaaa ataagcattc   240

tttgaatata tatttagttt tttaatgtgg taggaaaatc aaagccagag ggagtagaaa   300

caaaatttgt gattttctaa atacttcttg gctgcaggga agaaaccacg tcccaggcga   360
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153

accaagatgg tcaacaga   438

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15   aaaggggga ggcccccaaa accgggggg gggnaaaaag gtgggtttcc cccttttttcc   180

aattcccaaa accaatttcc aaaaggnaaa ccaaccnttc ccaaaatggg aaagg   235

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ggggggnccaa accggnaaag gntttgggaa aaccaaattt tttttggncc caacccccccc   120

45   caaattgggg ggnaaaccaa atttaagggg ggaagggggg gncccccccg ggaaaggccc   180

aaggggggaa aatttttccg ggggtgggtn ggggggaacca atttaagggg ggggcccccg   240

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ctgtacttga actctaaaac tgttggagaa actcagtgct taccccaaca gattcatttc   180

aaatagctgt aaaaggtatg tttactccag aagaccagag ttgcttcttt tgaacttctc   240

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attccttggg cctaggaacc ctcatcaccc tcatcccaac gtcaacccag atcttctctt   300

ccataaacag cactccctca ggcccctgcc tgacacaggc atagactgtc atgttggatt   360

cacagacagg ctgtgctaga ggaaacctct ggggctcacc aggggccgtg ggatgggctt   420

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cggcccgggc ccgggnagcc cttcccgggc ttttcccccg ggggggnccc ggggggggacc    120

tttaggcggc accccaacaa caccaggccc tactttttcc aaggncgggg aagcccatgg     180

gttctgggna cgggcaatg cgggcttgca acgggnggaa naaaaacagn cccaaaagaa      240
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    tctcagctca ctgcaacctc cacctctcag gagaattgct gaacctggga ggcggaggtt   120

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tnccccnccn nttnanacna aanntngcac tcttggntgc   100

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15

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aagggggggtg gggaagagcc aaatttcttt gggaaanaac gcccccttgg ggaaaanaag   180

gccaaccacc tttcaacanc ccccaangcg nggaagccat ttcttgg               227
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ttcgaccatg tgccttccca ggttgatgaa gacattgcta cacagtctgc agatcaggaa   120
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30

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ggaagaattg tatgtgggag tttttaatgg tctcatttca ttggctataa ctcagttaca   180

aggagaaata taactgcaga ggagctttga aaatttagtt cagctgaggg taaaggaaga   240
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35

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agaatg                                                       306
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agatcgccta gccctttgcg ggcgaccacc acgatgtccc agcctgtcag gttgtcctga   120

40 ttgaggcgaa aggactcgcg gatttgacgc ttgatgcggt tgcgctcgac ggcgagcttg   180

acgctctttt tgccgatcac caaacctagg cggggatgat caagctggtt atcgcgcgct   240

agcagcagga cacttttgcc cgggagcttt accgcttggg gagtcgaaga ctgccttgna   300

45

ttgccgggga gtcagcagtc gctttttccc ggncgaagcc tcgaactcac cancctgtct   360

166

ggattaatta gacagcaaga cgcttgcggc ccctttggcg cgaacgaacn ncgaaaagga   420

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5   gccaaacccc cc   492

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          acgagccggg ctggagcggt gggaaaagca aatgtaggca taagtaacga caatgcgggc   120

45   gagaaccccg cacaccgaaa ggctaaggat tcctccgcta tgtcaatcaa cggagggtta   180

gtcgggtact aaggcgttag cgaaggcgaa gcgccgatgt gaaggggggtt aatattcctc   240

cacttgccat gcgtgtgaat ccatgacgga gacgaagccg ggggtgcgtc ctgacggaag   300

5   tgggcgccag caggggcggc cttcgggcca aaccgaacct caggtcanac ttccaagaaa   360

agtgggtgaa acgccagcgc atggcaaccc gtaccgcaaa ccgacacagg tagccgggggg   420

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aagaaggaac ccacccctngg ggccaaacaa aaacttaaaa acccccccat ttcntncccc   180
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agctaatttc tgctctgctc cttctgtgac atgtggcagc gtgggaaata gccactgtcc   240

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5   actagatttt actgtagatg gtagataaaa gtccagtgaa aagcaaagat gtgtaatgtt   180

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tgnaatacta ttgcctctta tatacacnac caannntgcg aagggcnann nnacctttnc   180

cantnnnctg gggncccacn nnngngaact gagagtggat cttgtgtacc tgacnnacca   240

gntntnnagn agggcgctca ctctgattgg tgcaccatgg ttacacagtg tgtgcaaaga   300

ccngnctatc tcactganga tgattgncag ngccnntggg tggcacnang ggnactgatg   360

ancancactg accctgccga cgccagangc cgcanatccg gagantncat gngacnatat   420

aggttaccnc cttcnaccgg gcancaatct gcttctatgg tgaatgcaga ccatntagaa   480

ntctntcnct ataggcatga ttttnnncag tgcgtcagcc ttganaanga ancnnacttt   540

tgntagatga nnngntgctc ncccttgngg ctnacaaatt ccancacccnt tggtggcngc   600

agccnttaag ancacttntt ttgggttgcg ctnttggatg aattacnaat agnntgtttt   660

gttncaaggc ccttctgcna aatatgaana aaagngcnct tagcttttg ngggaactgn   720

actggaaatt ttg   733

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<220>

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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caagtacgcn agcnctgaan ctaaagcaag caagaaaaag   100

<210> 54
<211> 515
<212> DNA
<213> Human

<400> 54
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tagatatggg aagattatag gaggcgacaa ctaccgagcc tggtgatagc tggtgtccaa   180

gaagagtctt agttcattta tttggcccag aaccctctaa tccccttgta atttatgtca   240

agaggaacag ctctttggac actggaaaac cgtgagagag taagatttac acccttaggg   300

gcctaatagc agccaccatt aagaaagcgt tcgctccaca cccactacct aaaaatcgaa   360

tataactgac tcctcacacc caattggcca atcattcccc tataaaagaa ctatgttagt   420

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<210> 55
<211> 176
<212> DNA
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<223> n is a, c, g, or t

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cntatctcaa ctaatnataa atgggaaaat gggcaactgg gcaggcngaa cccagaggga   120

40 agcctgccct cattagacca agacagcaag gtttnccctg gtcactagat gaaatt   176

<210> 56
<211> 317
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<213> Human

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<223> n is a, c, g, or t

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atgtgggatg tgacctccta ggactcacct tgcacagctg ggtgcagcag ggataggtaa   120

ggatttgggg tttagaggta caattgcctt tttatggtta gagaaaggtc ctggggctgg   180

agggagcctg acgatctgct ctgtgtgcaa ggggagagtt aactctgcac gcaagagcct   240

gcttaaaggg ctgtgtcagt tctattgtaa acaccaactt aaagtggtgg atgctggcag   300

acattgttat tgccatt   317

<210> 57
<211> 209
<212> DNA
<213> Human

<400> 57
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ctggactgga cactgtatac ccacatgcaa gatgaagttg gccccttaca tcctatacgc   120

aggagaattg cgtcatttaa agcctgttga cgcttttctc ccgcagacga atggaaagat   180

taattgggag tgggggctga aacaattcg   209

<210> 58
<211> 262
<212> DNA
<213> Human

<400> 58
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acctggtcac cgagttgcga accagcctcc aatatgtgga accctgtact ctctaaaaat   120

221

caaatcaccg gcatggagat tgcgcctgtg gtcccaaaat actcgggctg ggacacgatg   180

agttgcttgg cccaaggaag gagggttgta tggctgatca cactggtccg cctgggtgac   240

agagcgagac tccatctcta at   262

<210> 59
<211> 430
<212> DNA
<213> Human

<400> 59
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aaacctttat tgtcttacag ggggggaacta gcgcggggct gaataaaacc tttggcccctt   120

cccgggggag gggtatccgg tttataaacc ccaagggtat tttcttagca aaatacttaa   180

aaccggccgg ggttttttata caaactggga acccacttt gaaaaatttt ggccttttga   240

tctgggatgg gaatatgagt ttttatacat ttcattttct ttttgggcaa aggcccggtt   300

aagtattccc ccccggggggg cctttacaaa aagggcggtt ttaaaagctt ttgggcccccc   360

ctagggaatt gttttaacac ctaaaaaccc ctgcttccct taaaggggcg ttctttaatt   420

tgggggcggc   430

<210> 60
<211> 350
<212> DNA
<213> Human

<400> 60
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atcctactag cttggaggat ttgaaccgat tatgaatacg caatactccc ggtcctcatg   120

tatcatgtgt aagcccatct cctgggaggg ctaacatact accatctcca aggagaggca   180

tgattccgaa tcacccacag acagctcgat caccatacgt atcacccaac atatatacct   240

tctaagactt gctagaaaca accaccacat ttgatgctta atcaccactc tgacgcgcat   300

taaagtgagg ggactctcct aatttctgta agttgatttt tgcattctga   350

<210> 61
<211> 515
<212> DNA
<213> Human

<400> 61
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cactttcttt gagaattcaa catattgcaa gttaaaattt tcatagacta cacaagaaag   120

aataatcagg caaatcctta agaataaggg caattaagga tgactagccc tacaagattt   180

taaaaaggat tcattagttt aaaaaatgtg atgtagatac atgaataaaa taaaatcttg   240

aagtagatcc aaatatacat ggtcagattg aatacaataa agatggcatc gtagcagtgg   300

agaaaagaag aattatttca taaaccttgt tggaatggct aggcaatcat ctggaaaaaa   360

atgaagttga ataataaaaa tatattctac actagcacaa attataaata aagcagtgat   420

ttaaatgaga aaaattaaat cataatgatt tcaaagataa cataggataa tttctttata   480

gtcttctaaa atatatgact ttatgaattc tgact   515

<210> 62
<211> 611
<212> DNA
<213> Human

<400> 62
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aagactttgg ttttataaat aaggaggtat atataaatta tatatatttc tgagctgagt   120

aataatccac cagatacaag tttgcatcaa cttctgtgaa atattttttt tccttttttgt   180

tgggcatttt tatggtctaa atatagaatg accaatgcct ctagaacaaa cttgacctgg   240

tcagtgttat caagaagcag actgtttctt actttctttg tatttcctta cttatttaaa   300

tttgttaaaa ttgatatatt gatatataaa acttcttttg ccagtgttgg tggcacacgc   360

ctttaatccc agcacttagg aggcagaggc agggtggatt tctgaatttg agggcaggct   420

agtctacaga gcaagttcca ggtcagccaa ggctatatat agaaactctg gcatgaaaaa   480

ccaaccaaac caaaccaaac caaaccagac cagaccagac cagaccagac caaaccaaac   540

caaaccagac taaaccaaac caaaccagac cagaccagac cagaccagac cagaccagac   600

cagaccaaac t   611

<210> 63
<211> 291
<212> DNA
<213> Human

<400> 63
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taatgcgaat atacttcctc ttctttttgc atggtcttgc ccagcctctg caatactgat   120

gaacacatgc tgaagatcat ctaactcaat atggcgcata tttctatgtc ttgctgccca   180

ggacatagga caacttcgtc gctcactagt tctaacatat taatgctggc gtaggtggag   240

aactactgca catatactct tactcggagg ctgaggcacg aggatcactt g   291

<210> 64
<211> 309
<212> DNA
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<400> 64
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cattatcacc tctcactctc gcgtgttacc taactctccc tcgcagggga aatcactcca   120

tatatttcaa atgtcttgct aacagtggtt actttgctct atccttagct atacgtctcg   180

aggcacattg ttcctctatg ccccgctacg ctttgcccta gagctcggcg gtatctatat   240

cttaactgcc ctcttgatcc ttacgtgccg gagaaggtgg aggcagaaat tttgtcaaat   300

ctgattaga   309

<210> 65
<211> 278
<212> DNA
5   <213> Human

<400> 65
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anggatggaa tggactcgaa gggaatggaa tggaatggat tcgaatggaa aggaatggaa   180

tggactcaaa aggaatggaa tggaatggac tcaaatggaa tggactcgaa ttgaatgaaa   240

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tgtaatggaa tagactcgaa tggaatggaa cgaaattt   278

<210> 66
20   <211> 142
<212> DNA
<213> Human

<400> 66
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tttttttaac tgtaggaggt ttataataat gctcatatgg aaaaataaaa catgtaaaaa   120

atagctagta aactccccct gt   142

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<210> 67
<211> 286
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<400> 67
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40   aaagatgatc tcctcatgct tccatgcact gcgagtagaa gacatactga gcatagtgtg   120

attattttcc caacaaattg gcattcatag atagaataag ctgactaaga ctacttagcc   180

ccacattttt ttctacttgc tccaatagca ctaacaaata ggaagctctt gcttgctccc   240

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caaagctcca tttccttgaa agcagaagtg taatattact tcttag   286

<210> 68
<211> 179
5   <212> DNA
<213> Human

<400> 68
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tagaagtcat tattttatta taaaacatgt ggattagata ttttcattta tgtgattaaa   120

ctttctaaac aaagattata tgaattatct taaagattta aaaagtaatt aagttaaat   179

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<210> 69
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ttttgaattc taaactgtct ctgggtgggt gtgggtgcca ccaagagcat gtgttcatgt   180

agggagactg gttttttaca gttgtctatg agagagatga cagttgcctg gattatggtg   240

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gtgacattgg agataagcag gtagacagat tctcagtgta ttaggagaga aaaatcaata   300

ggaaatttaa aataaataat taactgtggc cataggagga aggagtcttt gggttnggtt   360

40   ctcaatttct gcatgagaaa aaaggtggac   390

<210> 70
<211> 481
45   <212> DNA
<213> Human

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<400> 70
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gatgacataa aatgagatga aatgagatgt aatgatggaa tgagatgaga tgaaatgaga   120

tgaaatgata gatgagataa aatgatgata tgaaatgatg agatgaatga tgagatgatg   180

15 agatgaatga tgaaatgaaa tgatgagatg agatgatgaa atgaaatggt gagatgaaat   240

gatgagatga aatgaaatag tgaaatgaaa ttgaaataaa atcgaaatga gagatgaaat   300

gatgagatga tgaaattgat gaaatgatga gatgtgatga gatgaaatga tgagatgaga   360

20

tgagatgaca tgaaataatg aaatgaaatt gaaatgagat aagatacgag ctgagatgca   420

atgagatgaa atgatgagat gaaatgaaat agtgaaatga aattgaaata aaatcgaaat   480

25 g   481

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15   ngacgcgccg tacaggntna attatggnan cttacatggn aaaggggcan ctcaatgtcc   120

cacag   125

20   <210> 72
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<223> n is a, c, g, or t
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atgagatgaa atgttgaaaa gaaaggagga aatgatgagg tgagatgaaa tgatgagatg   120
35
aaatgaatct gagatgaaat gagatgaaaa ntgatacgaa aaatgatata aaaaatatga   180

cctgagatga aatgagatga aaatgatac gaaaaatgat ataaaaaata tgacatgaaa   240

40   tgaaatgaga tgatatgaaa tgacataatg aaatgatgaa ttgatgatat tgaaatgaaa   300

ttgaaagatg agatgaaatg atgagatgaa atgaaatgtt gaaatgatga agagatgtga   360

catgaaatga gctgaaatga gatgaaatga aatgagatta aatgatgaga tgaaaaatga   420
45
tgagatgaaa aatgagatga gatgatgaga tgagatgaga tgaattgaga tga   473

229

<210> 73
<211> 500
<212> DNA
<213> Human

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<223> n is a, c, g, or t

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<222> (16)..(16)
<223> n is a, c, g, or t

<220>
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<222> (233)..(233)
<223> n is a, c, g, or t

<400> 73
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aaatgaaatt agatgaaatg taatgagatg aaatgaaatg acctaatgaa atgaaataat   120

gaaatgagat gaaataaaat aatgaaatga tgaaataatg aaatgaaaat gagatggaaa   180

tgatgagatg agaagaaatg atgagatgaa atgatgaaat gatgagatga ganaaaatga   240

gatgaaatga tgagatgaga tgaaatatga tgagttgaaa tgacataatg aatgaaatga   300

tgaaatggaa taatgaaatg gaaatgatga gctgagatgc aatgagttga aatgagatga   360

aatgatgaaa tgatgagatg aaatgatgaa atgaaataat gaaatgagat gaaataaaat   420

aatgaaatga tgaaataatg aaatgaaaat gaaatggaaa tgatgagatg agaagaaatg   480

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<210> 74
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230

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<223> n is a, c, g, or t

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tgaaatgatg agatgaaatg atgagatgag atgtgatgaa atgatgatat gaaatgatga   120

cataaaatga gatgaaatga gatgtaatga tggaatgaga tgagatgaaa tgagatgaaa   180

tgatagatga gataaaatga tgatatgaaa tgatgagatg aatgatgaga tgatgagatg   240

aatgatgaaa tgaaatgatg agatgagatg atgaaatgaa atggtgagat gaaatgatg   299

<210> 75
<211> 155
<212> DNA
<213> Human

<400> 75
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taaaatgatg aaatgatgag gtgatgagat gaaatgatga gatgaaatga tgagatgaga   120

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<210> 76
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ctacttnaga ngaantcctc gcaaaatcct tgaatcaccg cttcagtgca gtgatatcac   120

cgccatgaaa tttctgctcg attagcttac gttgtttgga tagaggccaa acaaggctgt   180
45
tatcggtacg aggaatggat gttcgatttc gtagaatacg cctgagagac ggcgaatact   240

ctcacgagag gcagcaggcg cgtaaattac ccaattacaa caagtagagg tagcgaagga   300

aaatatgagg ggtggcaagg ttttgcctgt tacattctca aatggaagca aattagatat   360

gtcattg   367

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atagaaatca ttatttctgt gggatggata attgggccaa attgtaaaat attttaacta   120

tcagtgtttg gggtttattt ttaaaagaat agggtgccac cagatgttct ttagtggagg   180

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233

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nntaantaaa aagggtgaag aannttactt cncttggtcc taaaaaacnt tttcntcagt   120

30

tattaccaaa atatttggac cattantaaa gantagggcc aacccnaatt tttcttgaaa   180

tttccgttaa atagccgtta aatgttttta cccatttcat attggatacc ttaaattata   240

35   ataatggatt ttattgttaa attgtgtgtg tgtggtgtgt atgccctgtc ttttctcctc   300

taccattatt gtcactttat gtttggaacc ccctttaccc ttccttaaag gaaaaaaagg   360

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35 ccttgatgtt caagtattta agaccctatg cnaatatttt ttacctttc taataaacca   120

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40 <210> 80
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236

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ggccaggcct tccctttaaa aaaaaatnac cgtttttngg gggangnaac ctttaaaagg   120

ggaaaanaaa tccttttaa anggaantcc aagggaagga ncctgnncaa nacttccccn   180
30

ccaataaaaa aaaccntttt ggaaangggg aaa   213

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35 <211> 443
<212> DNA
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<400> 81
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tgatgaaatg agatgagatg agaagaaatg acttgatgag atgagataaa atgatgaaat   120

gaaatgaagt gaaatgaaat tgaaatgaga tgagatgaaa tgagataaaa tgatgagatg   180

aaatgagaag aaatgagatg aaatgatgaa atgatgagat gagatgaaaa atgatgggat   240

gagaaatgag atgaaatgat gggatgaaat gaaatgaaat aatgaaataa tgaaatgaaa   300

tgaattgata atattgaagt gaaattgaaa gatgagattg gatgaaatga tgagatgaaa   360

tgaaatgttg aaatgaaatg aagagatgta acatgaaatg agctgaaatg atgagatgaa   420

atgaaatgaa atgagattaa atg   443

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15 <223> n is a, c, g, or t

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25 gacctctgaa tgtattantg anncaagtga tagccaagat attttgaaga aaaatagata   120

ntagggacct gctctataag cccatcataa tttattatga agttataaca agtaaaacag   180

taaggtattt ggcatggaat agagaaccca gaaacagacc caatgcatgg gtacaggata   240
30

taacacaggg aaatgaggga caatatatgg ttctgggata attatttata tggggaaaat   300

aaagaaattg gatccctacc tcacacatac aaaaaaaatc ataattgaat taaaaacttg   360

35 catgtgaaag gaaagacttt aaaacatttа gaaaaagtat tggaggctat gatcttgggg   420

taggaaagca tttctttttt tt   442

40 <210> 83
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10 <400> 83
gtctaacnta aaaagtaaag aaagtaaagt aaaggnttga aggaaggaag gaaggaagga   60

aggagggaaa agaaagaaag gaaggaagga aggaaaagaa agaaagaaag gaaggaagga   120

15 aggaaggaag gaagg   135

<210> 84
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20 <212> DNA
<213> Human

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<223> n is a, c, g, or t

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gagttgcctt ctgtaagtgc ccctactatc aaggtttcat ggaaaatcta ggcaaggcag   120

aacttcctca gaaggacaag agacaaagaa gtgggggagg ccctcctatc catagctgag   180
35

agggtttatt ctttgtggtt ctgctgtcag agcctttgga tgtctgatct gagatggagc   240

aaccccagct agacagaact ttgtagattt tggggggttt aaaaggcctc aagcaaattc   300

40 taaaactttc tttgaacccc ctggcatagg ctcagtttcc ctgact   346

<210> 85
<211> 100
45 <212> DNA
<213> Human

<400> 85
acaaaaagcc cctttaaact tgggcccgct cgaggtcgtt tcgactgggc cgagacttcc   60

5   gaaaagaaaa tggttttttt tgccgaaatc aaccgggtaa   100

<210> 86
<211> 201
10   <212> DNA
<213> Human

<400> 86
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·15 gaaaagagga agaaacgctt tttaggagtt aaggattaaa gtaaaaatta ttttgacata   120

attacctctt tttgtgacca ctcttaaagg ccaggaacat atttggagaa gcctagttgt   180

20   atgtaacagt gtggggtttc a   201

<210> 87
<211> 531
25   <212> DNA
<213> Human

<400> 87
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tcttttaccc cggcactcgg gtccaccctc gcggcaccag aggtattctc cggcgagtcg   180

35   ttaaccatcg caatcgccga ccgagtttaa ggaccactcc ccacctttct cattagttaa   240

ggagaacgct actttacccc atagacggag aaatcgctac tcaactacca ggcgcgcgcc   300

gtcgagtccc tcttcctctc tttatgcatt tagagcgctt tcgtaagagt tttccctaga   360

40   ttcttctaag cgtagcgcgt ctactccaat gttttcgtta atccagcccg aactaacgcc   420

gcggaggagt cgatccgtct actcctatcc cgtcggctcg gatttactac aggagctaag   480

45   aaaacaaaaa gtaccagccc taaaggaaag tcaaaggacg cccgtaaaaa a   531

<210> 88
<211> 530
<212> DNA
5   <213> Human

<400> 88
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10   cattcggtcc agtgcctcgc cctattagcc cttaagccca ccgtttctaa aactcccaga   120

acagccaaac cggtccgccc aaggcctccg tcgttttata atatattccg tttacgtata   180

aggaacgaac cccccttcat taccacggtc ccgcgtccgc ctccttctcc attcgcaaca   240

15   gttctattcc tttcagcctc ccgtacctgc ttccagaaca tcgcaccgcc atagtcgaaa   300

gatagcaaag attacccagc ttctattcct cgccccagag ccgagtaaat cgaagtttat   360

20   agaggcggaa tccaaccatt caagagttat aacaagttat cggcactcgg gggatcagaa   420

tataaactta atgtcccctt tattctcccg gacgcccctt ttaaccactt cttcctatct   480

ttcgctaaca agccattgac ggcgctttgc cgcgcgggcc catctcgcgt   530

25

<210> 89
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<212> DNA
30   <213> Human

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40   ttccaccggc ctggtttttgg tttttccata attaattaac caggggggncc anttaaaaaa   120

aattaaggna aggnttaaaa aatttaacca angggggggtt taaagggntt tttttttta   180

aaaaaaaagg ttaaancccc cccttttttt ttgggttggg gtgggaaaat tttgggaanc   240
45
cttaacccccc gggttttttgg gttttttttgg ccaaaaccccc ccggaaaaaa attaaaaaaa   300

244

ggaccggttt ccattttaat gggtattggg aa   332

5   <210> 90
     <211> 185
     <212> DNA
     <213> Human

10   <400> 90
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     cggtggtaac tattaaaaca taagtttaat cggtatttaa aattttaaaa tcaaaaaaaa   120

15   taaaatatat gcaaccctcc attccaagga agtatgatgt tactagatta tctgaaaatt   180

     ctcct   185

20   <210> 91
     <211> 365
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     <400> 91
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     ctaggggggta cttgaaaatg ctagaccagg ataactccta agtgtatatc cttggcagac   120
45
     tcgttatgct ttccaatcct gcttgcaata taagacacaa agtcagaata aagctcaaga   180

aaacagaacg tgcaggccat caagcgcaga gcctgctcat tggacaaccg caaagagtag   240

taagtgctgc cgctattcac acttagaaaa ggagaaccac ggggaaaaac caaattaatg   300

gggctgcttt ttgtcactct ggcatnagag aattgtgnng aaantttaac ttttgtaagc   360

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aagtcaggat agtagttttc attccttaga tggtacaagt gttgagacaa atg   113

<210> 93
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<212> DNA
<213> Human

<400> 93
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atgaaaatgt tactgttgga ttaaaaaaca aattaagtcc aaatagtgat taggcaagtt   120

ggtgaggtag ggggttgctg caagagcgga agttgaaaga tcttggaaaa attaaagaaa   180

cttcatagaa ccccatctct acaccaaaaa   210

246

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15 <222> (25)..(25)
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tggcttggaa atagtttagc tgaacattat gctttaatat tttactggcc attgcagcac   360

10   aggtttagaa atttatgttc ggcttttttaa agtttta   397

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15   <211> 132
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20   <220>
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<223> n is a, c, g, or t

25   <400> 101
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attaattgta ctactttcaa aagaattaat tgaagaaaga gagatacagg gtatctaggc   120

30   ngaggaagac cc   132

<210> 102
<211> 246
35   <212> DNA
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40   ggcacttaat tttataattg atatatataa taaaaaattc aatgcagata ttgatataat   120

aaaaatagat aatggtaatc caagcacgat ggtagccatc actctaattg ctttgggggtt   180

45   aacctataac ttattaagta aagtgccaga atggttcttt gacagtatta aaattaaaga   240

aaacag   246

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<220>
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RT-PCR analysis

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quantitative RT-PCR analysis

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<220>
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analysis

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        analysis
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35 <220>
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